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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

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| Application Number | 10727,775 |
| Filing Date | December 3, 2003 |
| First Named Inventor | Jonathan D. Klein |
| Art Unit | 2182 |
| Examiner Name | Christopher B. Shin |
| Attorney Docket Number | OI7034312001 |

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published | T ² |
|--------------------|-----------------------|---|----------------|
| CS | 1 | ACHARYA, A. et al., "Tuning the Performance of I/O-Intensive Parallel Applications", <i>Proceedings of the 4th Workshop on I/O in Parallel and Distributed Systems</i> , ACM Press, 1996, pp. 15 - 27, USA. | |
| CS | 2 | BAGRODIA, R. et al., "Parallel Simulation of Parallel File Systems and I/O Programs", <i>Proceedings of the 1997 ACM/IEEE Conference on Supercomputing (CDROM)</i> , ACM Press, 1997, pp. 1 - 16. | |
| CS | 3 | BORDAWEKAR, R. et al., "A Model and Compilation Strategy for Out-of-Core Data Parallel Programs", <i>ACM SIGPLAN Notices, Proceedings of the 5th ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming PPOPP</i> , 1995, Volume 30, Issue 8, pp. 1 - 10. | |
| CS | 4 | BORDAWEKAR, R. et al., "Automatic Optimization of Communication in Compiling Out-of-core Stencil Codes", <i>Proceedings of the 10th International Conference on Supercomputing</i> , ACM Press, 1996, pp. 366 - 373, USA. | |
| CS | 5 | BORDAWEKAR, R. et al., "Communication Strategies for Out-of-Core Programs on Distributed Memory Machines", <i>Proceedings of the 9th International Conference on Supercomputing</i> , ACM Press, 1995, pp. 395 - 403, Spain. | |
| CS | 6 | BORDAWEKAR, R. et al., "Design and Evaluation of Primitives for Parallel I/O", <i>Proceedings of the 1993 ACM/IEEE Conference on Supercomputing</i> , ACM Press, 1993, pp. 452 - 461. | |
| CS | 7 | BORDAWEKAR, R., "Implementation of Collective I/O in the Intel Paragon Parallel File System: Initial Experiences", <i>Proceedings of the 11th International Conference on Supercomputing</i> , ACM Press, 1997, pp. 20 - 27, Austria. | |
| CS | 8 | CHEN, Y. et al., "Optimizing Collective I/O Performance on Parallel Computers: A Multisystem Study", <i>Proceedings of the 11th International Conference on Supercomputing, ACM Press and IEEE Computer Society</i> , 1997, pp. 28 - 35, Austria. | |
| CS | 9 | CHEN, Y., et al., "Automatic Parallel I/O Performance Optimization in Panda", <i>Proceedings of the 10th Annual ACM Symposium on Parallel Algorithms and Architectures</i> , ACM, 1998, pp. 108 - 118, Mexico. | |
| CS | 10 | CORBETT, P., et al., "The Vesta Parallel File System", <i>ACM Transactions on Computer Systems</i> , ACM Press, Vol. 14, no. 3, pp. 225 - 264. | |
| CS | 11 | CORTES, T., et al., "Design Issues of a Cooperative Cache with No Coherence Problems", <i>Proceedings of the 5th Workshop on I/O in Parallel and Distributed Systems</i> , ACM Press, 1997, pp. 37 - 46. | |
| CS | 12 | DEL ROSARIO, J. et al., "Improved Parallel I/O via a Two-phase Run-Time Access Strategy", <i>ACM SIGARCH Computer Architecture News</i> , 1993, Vol. 21 No. 5, pp. 31 - 38. | |
| CS | 13 | DICKENS, P., "An Evaluation of Java's I/O Capabilities for High-Performance Computing", <i>Proceedings of the ACM 2000 Conference on Java Grande</i> , ACM, 2000, pp. 26 - 35, USA. | |
| CS | 14 | FERREIRA, R. et al., "Compiling Object-Oriented Data Intensive Applications", <i>Proceedings of the 14th International Conference on Supercomputing</i> , ACM Press, 2000, pp. 11 - 21, USA. | |
| CS | 15 | GIBSON et al., "Strategic Directions in Storage I/O Issue in Large-Scale Computing", <i>ACM Computing Surveys (CSUR)</i> , ACM Press, 1996, Vol. 28 No. 4, pp. 779 - 793. | |
| CS | 16 | GROSS, T. et al., "Architecture Implications of High-Speed I/O for Distributed-Memory Computers", <i>Proceedings of the 8th International Conference on Supercomputing</i> , ACM Press, 1994, pp. 176 - 185, U.K. | |
| CS | 17 | HARRY, M. et al., "The Design of VIP-FS: A Virtual, Parallel File System for High Performance Parallel and Distributed Computing", <i>ACM SIGOPS Operating Systems Review</i> , ACM Press, 1995, Vol. 29 No. 3, pp. 35 - 48. | |

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Sheet 3 of 4

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| Application Number | 10/727,775 |
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|--------------------|-----------------------|---|----------------|
| CS | 1 | KOTZ, D. et al., "Dynamic File-Access Characteristics of a Production Parallel Scientific Workload", <i>Proceedings of the 1994 ACM/IEEE Conference on Supercomputing</i> , ACM Press, 1994, pp. 640 - 649. | |
| CS | 2 | KOTZ, D. et al., "Flexibility and Performance of Parallel File Systems", <i>SIGOPS Operating Systems Review</i> , ACM Press, 1994, Volume 30 Issue 2, pp 63 - 73. | |
| CS | 3 | KOTZ, D., "Disk-Directed I/O for MIMD Multiprocessors", <i>ACM Transactions on Computer Systems(TOCS)</i> , ACM Press, Vol.15, No. 1, February 1997, pp. 41 - 74, USA. | |
| CS | 4 | KRIEGER, O. et al., "A Performance-Oriented Flexible File System based on Building-Block Compositions", <i>Proceedings of the 4th Workshop on I/O in Parallel and Distributed Systems</i> , ACM Press, 1996, pp. 95 - 108, USA. | |
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| CS | 6 | KURC, T. et al., "Querying Very Large Multi-Dimensional Datasets in ADR", <i>Proceedings of the 1999 ACM/IEEE Conference on Supercomputing</i> , ACM Press, 1999, pp. 1 - 15, USA. | |
| CS | 7 | LEE, J. et al., "Active Buffering Plus Compressed Migration: An Integrated Solution to Parallel Simulations' Data Transport Needs", <i>Proceedings of the 16th International Conference on Supercomputing</i> , ACM Press, 2002, pp. 156 - 166, New York, New York, USA. | |
| CS | 8 | MACHE, J. et al., "The Impact of Spatial Layout of Jobs of Parallel I/O Performance", <i>Proceedings of the 6th Workshop on I/O in Parallel and Distributed Systems</i> , ACM Press, 1999, pp. 45 - 56, USA. | |
| CS | 9 | MADHYASTHA, T. et al., "Informed Prefetching of Collective Input/Output Requests", <i>Proceedings of the 1999 ACM/IEEE Conference on Supercomputing</i> , ACM Press, 1999, pp. 1 - 16, USA. | |
| CS | 10 | MOORE, J.A. et al., "Efficient Data-Parallel Files via Automatic Mode Detection", <i>Proceedings of the 4th Workshop on I/O in Parallel and Distributed Systems</i> , ACM Press, 1996, pp. 1 - 14, USA. | |
| CS | 11 | NIEUWEJAAR, N. et al., "Performance of the Galley Parallel File System", <i>Proceedings of the 4th Workshop on I/O in Parallel and Distributed Systems: Part of the Federated Computing Research Conference</i> , ACM Press, 1996, pp. 83 - 94, USA. | |
| CS | 12 | NO, J. et al., "Integrating Parallel File I/O and Database Support for High-Performance Scientific Data Management", <i>Proceedings of the 2000 ACM/IEEE Conference on Supercomputing (CDROM)</i> , IEEE Computer Society, pp. 1 - 13, USA. | |
| CS | 13 | PARK, Y. et al., "Virtual Memory Versus File Interfaces for Large, Memory-Intensive Scientific Applications", <i>Proceedings of the 1996 ACM/IEEE Conference on Supercomputing (CDROM)- Volume 00 Supercomputing '96</i> , ACM Press, IEEE Computer Society, 1996, pp. 1 - 20. | |
| CS | 14 | PURAKAYASTHA, A. et al., "ENWRICH: A Compute-Processor Write Caching Scheme for Parallel File Systems", <i>Proceedings of the 4th Workshop on I/O in Parallel and Distributed Systems</i> , ACM Press, 1996, pp. 55 - 68. | |
| CS | 15 | SHEN, X. et al., "A Novel Application Development Environment for Large-Scale Scientific Computations", <i>Proceedings of the 14th International Conference on Supercomputing</i> , ACM Press, 2000, pp. 274 - 283, USA. | |
| CS | 16 | SHUF, Y. et al., "Characterizing the Memory Behavior of JAVA Workloads: A Structured View and Opportunities for Optimization", <i>Proceedings of the 2001 ACM SIGMETRICS International Conference on Measurement and Modeling of Computer Systems SIGMETRICS '01</i> , ACM Press, 2001, Vol. 29 No. 1, pp. 194 - 205. | |

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